

# The 2004 Show of the South

## Welcome to the 33rd Annual Solid/Hazardous Waste Conference and Exhibition



*April 28 - 30, 2004*  
*Gatlinburg Convention*  
*Center*



Environmental Law Session  
Endorsed By:



sponsored by the  
Tennessee Department of Environment and Conservation  
Division of Solid Waste Management

## *Note From the Director...*

*The Solid Waste Conference began as a training session for landfill operators and managers thirty-three years ago. The idea was to provide a gathering of the people involved in the landfilling of waste and the closure of open burning dumps in the days where the standard operation was find a farm with deep soil, dig a trench, and push the waste into the trench and cover at the end of the day.*

*The solid waste program has changed with the times. Today the sanitary landfill is a multimillion-dollar project complete with liner leachate collection systems. A completed site is monitored and maintained by financial assurance funds for thirty years. Hazardous waste sites are managed from the "cradle to the grave." The hazardous waste program identifies and secures sites that are contaminated. State funding is available for tire recycling and other recycling projects. Solid waste planning is a major function for counties and municipalities.*

*The Solid/Hazardous Waste Conference and Exhibition has evolved into a major factor in the protection of the environment and public health. It has become a place where public and private entities can share ideas and technologies. If we can match the improvements of the past thirty years in the next thirty years, the hope of future with a clean and healthy environment can be realized.*

*The Department of Environment and Conservation, Division of Solid Waste Management welcomes you to the 33<sup>rd</sup> Annual Solid/Hazardous Waste Conference. This year we offer sessions covering a full range of environmental disciplines. We hope you enjoy the programs and participate fully. We look forward to your continued support and welcome any suggestions.*

*Sincerely,*

*Mike Apple, Director*

### Registration & Information Desk

Wednesday, April 28, 7:00 a.m. - 4:00 p.m.

Thursday, April 29, 7:00 a.m. - 4:00 p.m.

### Exhibit Hall

Wednesday, 7:00 a.m. - 6:00 p.m.

Thursday, 7:00 a.m. - 12:00 noon

## Conference Schedule

Wednesday, April 28	Opening Session	9:00 a.m. - 10:50 a.m.
	Lunch	11:00 a.m. - 1:00 p.m.
	Breakout Sessions	1:00 p.m. - 4:00 p.m.
	Welcoming Reception*	4:00 p.m. - 5:00 p.m.
Thursday, April 29	Breakout Sessions	8:00 a.m. - 10:50 a.m.
	Lunch	11:00 a.m. - 12:30 p.m.
	TV Giveaway **	12:10 p.m.
	Breakout Sessions	12:30 p.m. - 4:00 p.m.
	Conference Wide Event***	5:00 p.m.
Friday, April 30	Breakout Sessions	8:00 a.m. - 11:00 a.m.

### CONFERENCE HIGHLIGHTS:

\*Welcoming Reception - Exhibit Hall C

Wednesday, April 28 from 4:00 p.m. - 5:00 p.m.

**Sponsored by Waste Connections of Tennessee**



\*\*Television Giveaway – A wide screen, high definition TV. The 2004 Solid/Hazardous Waste Conference & Exhibition will give away this wide screen TV to one of our lucky guests. The television will be given away at the end of Thursday's luncheon in the Exhibit hall. All registered attendees are encouraged to participate. It's simple: visit every exhibit booth, get your entry form stamped at each one and then drop it in the basket in the rear of the Exhibit Hall. The TV giveaway is sponsored by BFI.

**PARTICIPANTS MUST BE PRESENT TO WIN.**

\*\*\*Conference Wide Event - Mills Auditorium

Thursday, April 29 starting at 5:00 p.m.

**Dinner and Hospitality sponsored by BFI**



**Entertainment, featuring the "Tyrone Smith Review"**

**sponsored by Waste Management**



<u>Hazardous Waste Session</u> Topics	<u>Solid Waste Session</u> Topics	<u>Community Assistance Session</u> Topics	<u>Superfund/UST Program</u> Topics	<u>Environmental Law</u> Session Topics
<b>Wednesday Afternoon</b> *ISO14001: Moving Forward *DOT HM 232 Requirement *Spill Respond from a HazWaste Generator's Perspective *Update on HazWaste Policies and Initiatives  <b>Thursday Morning</b> *Application of FLUTE Technology *Treatment of Landfill Leachate Utilizing IMBR *Treatment of Chlorinated Solvents Using Vegetable Oil *In Situ Anaerobic Bioremediation of PCE and Uranium in Groundwater *Zero-Valent Iron Treatment	<b>Wednesday Afternoon</b> *Capping Land *Leachate Treatment Alternatives *Innovative Concepts of Post-Closure Landfills *Phytocover Case Study  <b>Thursday Morning</b> *Demolition Landfill Reclamation *Resource Recovery and Site Restoration in Chattanooga *Innovative Landfill Closure Case Study  <b>Thursday Afternoon</b> *Treatment Alternatives for Removing Ammonia-Nitrogen from Leachate *Biostimulation or Bioaugmentation *Burning Rubber/Scrap Tires in the Steel Industry *Tire Processing in Tennessee  <b>Friday Morning</b> *Wood Waste In Tennessee *From Sludge Landfilling to Beneficial Biosolids Reuse *Methamphetamine Awareness *Legislative Update	<b>Wednesday Afternoon</b> *Solid Waste Director's Roundtable  <b>Thursday Morning</b> *TN Pollution Prevention Partnerships Presentations *Full Cost Management  <b>Thursday Afternoon</b> *Hazardous Waste in Unexpected Places *Composting Panel—from backyard, to managing facilities, to food scrap recovery *Composting - Large Facility  SWANA Session <b>Thursday Morning</b> *Landfill Health and Safety - Training Course  Hot Topics <b>Wednesday Afternoon</b> *Unleashing Value in Environmental Impaired Properties  <b>Thursday Morning</b> *Natural Attenuation to Groundwater Recovery to Gas Extraction *Lead Hazards and Assessment Needs  <b>Thursday Afternoon</b> *Comparison of EPA and Tennessee Groundwater Classification Systems at a RCRA Corrective Action Site *Tranframtion" NPL Site to Community Park and Greenspace	<b>Wednesday Afternoon</b> *The Brownfield Advantage in Superfund *Copper Basin Restoration: Protecting the Ocoee  <b>Thursday Morning</b> *UST Technical Process Changes and Fund Strategies *Copper Basin Restoration/Protecting the Ocoee River *UST Technical Process Changes and Fund Strategies *Karst Investigations at UST Sites *TN's UST Environmental Results Program *Effectiveness of Aquifer Restoration Techniques Under Variable Hydrogeologic Settings *Tennessee USTfield Initiatives  <b>Thursday Afternoon</b> *Partnering at Federal Facilities *Drycleaner Session *Meeting the Challenge - DNAPL's *Remediation and Redevelopment of a Former Facility	<b>Wednesday Afternoon</b> *Solid Waste Liability and Regulatory Concerns and Successful Supplemental Environmental Projects *RCRA as Soap Opera: EPA and the Definition of Solid Waste *Legislative Update and Hot Cases  <b>Thursday Morning</b> *Developments in Brownfield Laws *Environmental Crimes *Breaking the Mold: Minimizing Risk in an Era of Mold Litigation  Thursday Afternoon *Sarbanes Oxley & Its Effects on Environmental Compliance *Ethics Update  <b>Friday Morning</b> *What Private Attorneys Dealing With TDEC Should Know *Environmental Science for Attorneys

Wednesday, April 28, 2004

**Opening Session**  
**Lower Level, Hall A**

*The Exhibit Area will be closed 9:00 a.m. – 10:30 a.m.  
All exhibitors are encouraged to attend the Opening Session*

**Moderator:** *Mike Apple*, Director  
Division of Solid Waste Management  
Tennessee Department of Environment and Conservation  
Nashville, Tennessee

9:00 a.m.  
Welcome and Opening Remarks

9:10 a.m.  
**State of the Environment**  
*Betsy L. Child*, Commissioner  
Tennessee Department of Environment and Conservation  
Nashville, Tennessee

9:30 a.m.  
**Environmental Issues in Tennessee**  
*Jimmy I. Palmer, Jr.*, EPA Region 4 Administrator  
U.S. EPA, Region 4  
Atlanta, Georgia

10:05 a.m.  
Open Forum

10:30 a.m.  
Exhibit Hall Reopens

11:00 Lunch – Hall B, Lower Level



Jimmy I. Palmer, Jr., Administrator  
EPA Region 4



Betsy L. Child, Commissioner  
Tennessee Department of  
Environment and Conservation



Mike Apple, Director  
Solid Waste Management

Wednesday, April 28, 2004

**Hot Topics  
Room 1, Upper Level**

**Moderator:** *Amanda Sluss*  
Public Information Officer  
Tennessee Department of  
Environment and Conservation  
Nashville, Tennessee

1:00 p.m.

**Unleashing Value in Environmentally  
Impaired Properties**

*Scott Andrews*, Guaranteed Business  
Solution Program Manager  
ARCADIS  
Denver, Colorado

*Rodney Johns*, Vice President of  
Guaranteed Business Solutions  
ARCADIS  
Atlanta, Georgia

**Hazardous Waste Session  
Rooms 2-3, Upper Level**

**Moderator:** *Garey Mabry*, Manager  
Hazardous Waste Management Program  
Division of Solid Waste Management  
Nashville, Tennessee

1:05 p.m.

**ISO14001: Moving Forward**

*Lisa Caron*  
Senior Environmental Project Engineer  
Saturn Corporation  
Spring Hill, Tennessee

1:30 p.m.

**The New DOT HM 232 Requirements for  
Shipping Hazardous Waste Materials**

*Johnny Winstead*  
OSHA Instructor  
TN Manufacturing Extension Program  
and the NOISH Mid-Western Consortium  
for Hazardous Workers Training  
UT Center for Industrial Training  
Knoxville, Tennessee

2:35 p.m.

**Spill Response from a  
Hazardous Waste Generator's  
Perspective**

*Stephen Street*  
Industrial Safety Consultant  
UT Center for Industrial Services  
Knoxville, Tennessee

*Revendra Awasthi*

Environmental Protection Specialist  
Division of Solid Waste Management  
Knoxville, Tennessee

3:30 p.m.

**Update on Hazardous Waste  
Policies and Regulatory Initiatives**

Hazardous Waste Management  
Program Staff  
Division of Solid Waste Management

Wednesday, April 28, 2004

**Superfund/UST Session  
Room 4, Upper Level**

**The Brownfield Advantage in Superfund**

**Moderator:** *Andy Shivas*

Environmental Program Manager  
Voluntary Cleanup Oversight and  
Assistance Program  
Division of Superfund  
Tennessee Department of Environment  
and Conservation  
Nashville, Tennessee

1:00 p.m.,

**More Bang for the Buck/  
The Advantages of Brownfields**

*Jim Haynes*, Director  
Division of Superfund  
Nashville, Tennessee

1:10 p.m.

**Environmental Assessment  
Opportunities for Municipalities**  
*TBA*

1:25 p.m.

**Asking All the Right Questions –  
The All Appropriate Inquiries Rule**

U.S. EPA is poised to issue a new regulation that will specify the types of environmental assessments that must be done on contaminated properties by parties who seek to avoid potential CERCLA liability at these sites. This presentation will explain how localities and the private sector can meet the requirements of that regulation in their brownfields revitalization efforts.

*Matt Ward*, Attorney  
National Association of Local  
Government Environmental Professionals  
Washington, D.C.

1:45 p.m.

**The McCalie Homes Brownfields Project**

*Doye Cox*, Senior Engineer  
Barge Waggoner Sumner & Cannon, Inc.  
Chattanooga, Tennessee

**Superfund/UST Session  
Room 4, Upper Level**

**Copper Basin Restoration:  
Protecting the Ocoee**

**Moderator:** *Greer C. Tidwell*, P.E.  
President  
EE, Inc.  
Nashville, Tennessee

2:40 p.m.

**Overview of the Copper Basin Project**

*Andy Binford*, Assistant Director  
Division of Superfund  
Nashville, Tennessee

3:00 p.m.

**EPA Ocoee River Assessment**

*Richard Campbell*  
Remedial Project Manager  
U.S. Environmental Protection Agency,  
Region 4  
Atlanta, Georgia

3:20 p.m.

**South Pit EE/CA and  
Resulting Treatment Plant**

*Griff Wyatt*  
Senior Environmental Engineer  
Barge Waggoner Sumner & Cannon, Inc.  
Nashville, Tennessee

3:40 p.m.

**Treatment and Diversion of  
Davis Mill Creek**

*Franklin K. Miller*  
Vice President of Operations  
Glenn Springs Holdings, Inc.  
Lexington, Kentucky

Wednesday, April 28, 2004

## Solid Waste Session Rooms 5-7, Upper Level

*Certified Landfill Operators in Tennessee will receive 3.0 hours of Recertification credit by attending this session*

**Moderator:** *Philip Davis*

Environmental Field Office Manager  
Division of Solid Waste Management  
Memphis, Tennessee

1:00 p.m.

### **Capping Landfills: Alternative Method for Providing a Migration Barrier**

Use of natural materials as the barrier layer to water migration for MSW landfill capping will be presented. The advantages of natural soils and the technical approach for this application will be addressed.

*Mark Powers*, Branch Manager  
Waste Industries, Inc.  
Bath Springs, Tennessee

*David Smith*, Ph.D., P.E., Associate  
JWS & Associates, Inc.  
Cordova, Tennessee

2:00 p.m.

### **Innovative Concepts to Address the Post-Closure Care of MSW Landfills**

The results of a study sponsored by the Environmental Research and Education Foundation (EREF), this presentation addresses the issues that face owners and regulators regarding financial and environmental liability for post-closure care of MSW landfills.

*Dr. Robert Bachus*, P.E., Principal  
GeoSyntec Consultants  
Atlanta, Georgia

3:00 p.m.

### **Phytocover Application and Beneficial Site Use in the Voluntary Cleanup Oversight and Assistance Program**

A case history of the background, remedy selection and implementation, and operation and maintenance of a 2-acre former municipal and industrial disposal site in Lawrence County, TN.

*Jim Morgan*, PG, Senior Scientist  
ARCADIS  
Oak Ridge, Tennessee

## Community Assistance Session Rooms 9 -10, Upper Level

**Moderator:** *Larry Christley*

Environmental Specialist  
Planning, Reporting and Waste Reduction  
Division of Community Assistance  
Tennessee Department of Environment  
and Conservation  
Nashville, Tennessee

1:00 p.m.

### **Solid Waste Director's Roundtable**

Discussion regarding marketing challenges, collection routing and recycling partnerships

#### Marketing Challenges

*John Fergusson*, Executive Director  
North Central Recycling  
Hartsville, Tennessee

#### Collection Routing

*Tom Leonard*, Solid Waste Director  
Solid Waste  
Sevier County  
Sevierville, Tennessee

#### Partnerships

*Faye Dalton*, Solid Waste Director  
Fentress County  
Jamestown, Tennessee

*Lori Munkeboe*, Environmental Specialist  
State Employee Recycling Program  
Division of Community Assistance  
Nashville, Tennessee

*Sarah Surak*, Recycling Coordinator  
University of Tennessee  
Knoxville, Tennessee



Wednesday, April 28, 2004

**Environmental Law Session  
Rooms 11-12, Upper Level**

**Moderator:** *G. Scott Thomas*, Partner  
Bass, Berry & Sims  
Nashville, Tennessee

1:00 p.m.

**Solid Waste Liability and Regulatory  
Concerns and Successful Supplemental  
Environmental Projects**

*Cheryl L. Dunson*  
Vice President of Marketing  
Santek Environmental, Inc.  
Cleveland, Tennessee

*G. Scott Thomas*

*Ronnie Bowers*, Director  
Division of Environmental Compliance  
Tennessee Department of Transportation  
Nashville, Tennessee

*Gwen Hewitt*, Attorney and  
Administrator of Real Estate  
General Services  
City of Memphis  
Memphis, Tennessee

*Todd Hughes*, Principal  
Environmental Management and  
Engineering, Inc. (EME)  
Nashville, Tennessee

*Quintin Macdonald*, President  
Environmental Management and  
Engineering, Inc. (EME)  
Nashville, Tennessee

**Environmental Law Session  
Rooms 11-12, Upper Level**

**Moderator:** *Theresa Denton*  
Environmental Legal Counsel  
Office of General Counsel  
Tennessee Department of Environment  
and Conservation  
Nashville, Tennessee

2:00 p.m.

**RCRA as Soap Opera: EPA and the  
Definition of Solid Waste**  
*Edward M. Callaway*, Member  
Waller Lansden Dortch and Davis, PLLC  
Nashville, Tennessee

**Moderator:** *Robert Cox*  
Assistant General Counsel  
Office of General Counsel  
Tennessee Department of Environment  
and Conservation  
Nashville, Tennessee

3:00 p.m.

**Legislative Update and Hot Cases**  
*Alan Leiserson*, Legal Services Director  
Office of General Counsel  
Tennessee Department of Environment  
and Conservation  
Nashville, Tennessee

Thursday, April 29, 2004

**SWANA Session  
Room 21, Lower Level**

*Certified Landfill Operators in Tennessee  
will receive 3.0 hours of Recertification  
credit by attending this session*

8:00 a.m.

**Landfill Health and Safety -  
Training Course sponsored by**

**SWANA TN Chapter**

The Training Course will cover landfill health and safety issues, such as Right-To-Know, Bloodborne Pathogens, MSDS and TN OSHA Requirements.

*Pete Reed*, Director  
Bi-County Solid Waste  
Management System  
Clarksville, Tennessee

**Hot Topics  
Room 1, Upper Level**

**Moderator:** *Amanda Sluss*

8:00 a.m.

**Remedial Options: Natural Attenuation  
to Groundwater Recovery to Gas  
Extraction**

*Jeff Smith*, P.G.  
Draper Aden Associates  
Blacksburg, Virginia

9:35 a.m.

**Lead Hazards and Assessment Needs**

*Kathy Mathis*, Associate Professor  
Middle Tennessee State University  
Murfreesboro, Tennessee

11:00 Lunch – Hall B, Lower Level

12:30 p.m.

**Comparison of EPA and Tennessee  
Groundwater Classification Systems at a  
RCRA Corrective Action Site**

*Jeffrey L. Pintenich*, P.E., Vice President  
Brown and Caldwell  
Nashville, Tennessee

1:10 p.m.

**Transformation: NPL Site to Community  
Park and Greenspace**

*Jeffrey L. Pintenich*

**Hazardous Waste Session  
Rooms 2-3, Upper Level**

**Moderator:** *Roger Donovan*

Environmental Specialist  
Corrective Action Section  
Division of Solid Waste Management  
Nashville, Tennessee

8:00 a.m.

**Application of FLUTE Technology  
for Bedrock Contaminant  
Characterization at Arnold AFB**

*Greg Schaefer*, Geotechnical Engineer/PM  
CH2M Hill  
Oak Ridge, Tennessee

8:20 a.m.

**Treatment of Landfill Leachate  
Utilizing IMBR Technology**

*Allen McEntire*  
Vice President of Engineering  
Advanced BioSystems, LLC  
Spartanburg, South Carolina

8:40 a.m.

**Treatment of Chlorinated Solvents Using  
Vegetable Oil at Arnold Engineering and  
Development Center, TN**

This presentation will present the results to date from a technology demonstration and validation at Arnold. The project is being performed as part of the Enhanced Bioremediation of Chlorinated Solvents Initiative of the AFCEE Technology Transfer Program.

*Erica Becvar*, Physical Scientist

Environmental Science Division  
Technical Directorate  
Air Force Center for  
Environmental Excellence  
Brooks City-Base, San Antonio, Texas

*Jim Gonzales*, Environmental Engineer  
Chief of Environmental Science Division  
Technical Directorate  
Air Force Center for  
Environmental Excellence  
Brooks City-Base, San Antonio, Texas

Thursday, April 29, 2004

**Hazardous Waste Session  
Rooms 2-3, Upper Level**

9:30 a.m.

**In Situ Anaerobic Bioremediation of  
PCE and Uranium in Groundwater**

A chemical facility is using in-situ bioremediation for remediation of dissolved organics and reductive precipitation for remediation of uranium in groundwater. This presentation covers the use of molasses as a carbon source, the observations made during the treatment period and the result of the treatments after 20 months.

*Robbi McKinney*

Environmental Specialist/Geologist  
Environmental Safety  
Nuclear Fuel Services  
Erwin, Tennessee

10:20 a.m.

**Zero-Valent Iron Treatment –  
Arnold Engineering and  
Development Center**

*Jason Glasgow*

Project Manager/Engineer  
CH2M Hill  
Huntsville, Alabama

11:00 Lunch – Hall B, Lower Level

**Hazardous Waste Session  
Rooms 2-3, Upper Level**

**Corrective Action Workshop**

This portion of the program has been developed by the Remediation Subcommittee of the Tennessee Chamber of Commerce and Industry's Environment Committee, and is intended to present information of particular interest, timeliness, and usefulness to persons performing contaminated site investigation and remediation work in Tennessee.

**Moderator:** *Lisa Hughey*

Environmental Engineer  
Nissan North America, Inc.  
Smyrna, Tennessee

12:30 p.m.

**Findings from TDOT State-Wide Soil  
Investigations (Background Levels of  
Metals and EPH)**

*Chris Scott*, P.G., Senior Geologist  
TriAD Environmental Consultants, Inc.  
Nashville, Tennessee

1:00 p.m.

**Some Things You Need to Know About  
Laboratory Methods and Laboratory  
Detection Limits**

*Danny Ramsey*

Marketing and Promotions Manager  
Environmental Science Corporation  
Mt. Juliet, Tennessee

1:25 p.m.

**Selecting Appropriate Laboratory  
Methods and Laboratories**

*Roy Crowder*, Ph.D.

Environmental Specialist  
State Remediation Program  
Division of Solid Waste Management  
Nashville, Tennessee

2:05 p.m.

**Update on Tennessee's Groundwater  
Classification Regulations**

*Jim Haynes*, Director  
Division of Superfund  
Nashville, Tennessee

Thursday, April 29, 2004

## Hazardous Waste Session Rooms 2-3, Upper Level

### Corrective Action Workshop, con't

2:30 p.m.

#### **Application of Commercial/Industrial Versus Residential Risk-Based Soil Cleanup Numbers**

*April A. Ingram*, Esq.

Boult Cummings Conners & Berry, PLC  
Nashville, Tennessee

3:00 p.m.

#### **Characterization and Management of Remediation Wastes in Compliance with RCRA and Tennessee Regulatory Requirements – What the Regulated Community and the Regulators Need to Know**

*Dwight Hinch*, Senior Project Manager  
TriAD Environmental Consultants, Inc.  
Nashville, Tennessee

4:00 p.m.

Panel Question/Answer Session

## Superfund/UST Session Room 4, Upper Level

**Moderator:** *Lisa Pugh*, P.G.

Environmental Program Manager  
Division of Underground Storage Tanks  
Tennessee Department of  
Environment and Conservation  
Nashville, Tennessee

8:00 a.m.

#### **UST Technical Process Changes and Fund Strategies**

*Cindy Greene*, P.E.

Environmental Protection Specialist  
Division of Underground Storage Tanks  
Nashville, Tennessee

8:20 a.m.

#### **Karst Investigations at UST Sites**

*Rocky Hannah*, P.G.

Environmental Field Office Manager  
Division of Underground Storage Tanks  
Cookeville, Tennessee

## Superfund/UST Session Room 4, Upper Level

9:00 a.m.

#### **Tennessee's UST Environmental Results Program**

*Dan Ostrander*, Environmental Specialist  
Division of Underground Storage Tanks  
Nashville, Tennessee

9:35 a.m.

#### **Effectiveness of Aquifer Restoration Techniques Under Variable Hydrogeologic Settings**

*Joe Hill*, P.G., Environmental Compliance  
Program Manager  
SEMS of Nashville, L.L.C.  
Murfreesboro, Tennessee

## PROFESSIONAL EDUCATION

**Continuing Legal Education** will be offered throughout the conference. Those who wish to receive CLE credit must complete a CLE registration form at the registration desk and pay the \$75.00 fee.

**Continuing Professional Development Hours** will be offered throughout this year's conference. The hours calculate 1 hour for each hour of the Hazardous or Hot Topic Sessions. Professional Development hours can be achieved by keeping the program agenda.

**Landfill Operators** will have the opportunity to receive credit for this conference. A total of 11 hours of Recertification credit will be available for the Hazardous Sessions or the SWANA session and the joint SWANA/UST session. There will be a sign-in list located in the room.

Thursday, April 29, 2004

**Superfund/UST Session  
Room 4, Upper Level**

10:05 a.m.

**Tennessee's USTfields Initiative**

One of 50 Pilots nationwide, this competitive federal grant project was awarded to the State of Tennessee, City of Kingsport, & Sullivan County in July 2002, known as USTfields, now incorporated into Brownfield Grant Legislation. This presentation focuses on how the state of Tennessee, through TDEC, is partnering with industry & local government to revitalize three abandoned petroleum contaminated properties in East Tennessee.

*Mark Braswell*, P.G., Environmental  
Assistance Center Manager

Tennessee Department Environment and  
Conservation  
Johnson City, Tennessee

10:35 a.m. Question & Answer Session

11:00 Lunch – Hall B, Lower Level

**EDUCATION CREDIT**

through the Tennessee Bar Association. Attorneys  
Certificate of Attendance available at the registra-

**for Professional Engineers** will be provided  
hour of credit for 1 hour of attendance to the Solid,  
Development Hours Recordkeeping for these  
and your name badge.

to earn state approved credit during the confer-  
can be earned by attending all of the Solid Waste  
Solid/Hazardous Waste Session on Friday morn-  
om at the end of each session.

**Superfund/UST Session  
Room 4, Upper Level**

**Federal Partnering**

**Moderator:** *Clint Willer*, Director  
Division of Underground Storage Tanks  
Nashville, Tennessee

12:30 p.m.

**Update on Federal Facilities**

*Clint Willer*, Director

1:00 p.m.

**Department of Defense Perspective**

*Randall Cerar*, Chief, Cleanup Division

Active Site Cleanup Program  
Environmental Restoration Division  
United States Army Environmental Center  
Aberdeen P.G., Maryland

1:20 p.m.

**EPA Prospective**

*Jay Bassett*, Acting Branch Chief  
Federal Facilities  
EPA Region 4  
Atlanta, Georgia

1:40 p.m. Question & Answer Session

**Dry Cleaner Session –**

**“Cleaning Up the Cleaners”**

**Moderator:** *Steve Goins*  
Environmental Program Manager  
Division of Superfund  
Nashville, Tennessee

2:05 p.m.

**Drycleaner Environmental Response  
Program “In-Review”**

*Nancy Frazier*, P.G.  
Environmental Program Manager  
Drycleaner Environmental  
Response Program (DCERP)  
Division of Superfund  
Nashville, Tennessee

Thursday, April 29, 2004

**Superfund/UST Session  
Room 4, Upper Level**

2:20 p.m.

**Meeting the Challenge**

From east to west Tennessee's changing geology and the nature of DNAPLs create a unique investigation and remediation challenge. Sites are generally in urban areas with a multitude of constraints against ready access to the plumes of contaminated soil and/or groundwater.

*James D. Gilbert*, P.G., Assistant Manager  
Drycleaner Environmental  
Response Program  
Division of Superfund  
Nashville, Tennessee

2:35 p.m.

**Remediation and Redevelopment  
of a Former Facility**

Approaches and methods employed to overcome the challenge, a case study in middle Tennessee Sites in this region are characterized by tight clayey soils overlying weathered limestone bedrock with migration pathways for contaminated groundwater that are hard to define. The presenter will discuss these challenges, and the approaches and methods employed to overcome the challenges on one such site.

*Malcolm Pfotenhauer*, P.E., CHMM,  
REPA, President  
TVG Environmental, Inc.  
Nashville, Tennessee

2:50 p.m. Question & Answer Session

**Solid Waste Session  
Rooms 5-7, Upper Level**

*Certified Landfill Operators in Tennessee will receive 3.0 hours of Recertification credit by attending this session*

**Moderator:** *Glen Pugh*

Environmental Program Manager  
Division of Solid Waste Management  
Nashville, Tennessee

8:00 a.m.

**Demolition Landfill Reclamation**

Reuse of construction demolition  
landfills.

*Lewis Bumpus*

Williamson County Solid Waste Director  
Williamson County  
Solid Waste Department  
Franklin, Tennessee

9:00 a.m.

**Win-Win Resource Recovery and Site  
Restoration in Chattanooga, Tennessee**

A silica by-product from alum manufacturing deposited on site since the 1930's is recovered for use in cement. TDEC worked with the landowner and local contractor in developing a landfill closure plan allowing for site restoration.

*Ray Merrell*, SHE Services Partner  
Cytec Industries Inc.  
West Paterson, New Jersey

*Donna Adams*, Project Manager  
March Adams & Associates  
Chattanooga, Tennessee

10:00 a.m.

**Innovative Landfill Closure Case Study**

*Jim Claffey*, Ph.D., Principal Engineer  
Brown and Caldwell  
Atlanta, Georgia

11:00 Lunch – Hall B, Lower Level

Thursday, April 29, 2004

**Solid Waste Session  
Rooms 5-7, Upper Level**

*Certified Landfill Operators in Tennessee will receive 3.0 hours of Recertification credit by attending this session*

**Moderator:** *Jeff Norman*

Environmental Protection Specialist  
Technical Section  
Division of Solid Waste Management  
Nashville, Tennessee

12:30 p.m.

**Treatment Alternatives for Removing  
Ammonia-Nitrogen from Landfill  
Leachate**

*Houston Flippin*, Principal Engineer  
Brown and Caldwell  
Nashville, Tennessee

1:00 p.m.

**Biostimulation or Bioaugmentation: A  
Discussion of Remediation  
Feasibility**

*Fred C. Payne*, Ph.D., Vice President and  
Director of Remediation Services  
ARCADIS  
South Field, Michigan

*Gregory B. Page*, P.E.  
ARCADIS  
Tampa, Florida

2:00 p.m.

**Burning Rubber/Scrap Tires  
in the Steel Industry**

*Steve King*, Environmental Manager  
Solid Waste  
Geradau AmeriSteel  
Jackson, Tennessee

2:45 p.m.

**Tire Processing in Tennessee**

*Tom Carter*  
Vice President – Southeast Region  
GreenMan Technologies  
Springfield, Tennessee

**Community Assistance Session  
Rooms 9 -10, Upper Level**

**Moderator:** *Curtis Hopper*

TP3 Program Coordinator  
Pollution Prevention and  
Environmental Awareness  
Division of Community Assistance  
Nashville, Tennessee

8:00 a.m.

**Tennessee Pollution Prevention  
Partnerships Presentations**  
Overview of the Tennessee Pollution  
Prevention Partnerships (TP3)

*Ron Graham*, Director  
Division of Community Assistance  
Nashville, Tennessee

Role of the TP3 Contact  
*Jan Compton*, Environmental Coordinator  
Johnson City EAC

Tennessee Department of  
Environment and Conservation  
Johnson City, Tennessee

An Industry Perspective on TP3

*Jeannette Widman*, Supervisor  
Environmental Department  
DENSO Manufacturing  
Athens Tennessee, Inc.  
Athens, Tennessee

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**Moderator:** *Wendy Davis*

Environmental Specialist  
Problem Waste Section  
Division of Community Assistance  
Nashville, Tennessee

9:35 a.m.

**Full Cost Management**  
*Chace Anderson*, Solid Waste Director  
Metro-Davidson County  
Nashville, Tennessee

*Joe Williams*, Solid Waste Director  
City of Franklin  
Franklin, Tennessee

11:00 Lunch – Hall B, Lower Level

Thursday, April 29, 2004

**Community Assistance Session  
Rooms 9 -10, Upper Level**

**Moderator:** *Paula Smith*

Environmental Specialist  
Problem Wastes Section

Division of Community Assistance  
Nashville, Tennessee

12:30 p.m.

**Hazardous Waste in Unexpected Places**

Panel

*Louis Bordenave*

Environmental Assistance Manager  
Planning, Reporting and Waste Reduction  
Division of Community Assistance  
Nashville, Tennessee

*Ken Nafe*, Environmental Specialist  
Problem Wastes Section  
Division of Community Assistance  
Nashville, Tennessee

*Cynthia Rohrbach*

Green Schools Coordinator  
Pollution Prevention and  
Environmental Awareness  
Division of Community Assistance  
Columbia, Tennessee

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**Moderator:** *Christina Treglia*

Environmental Specialist  
Problem Waste Section  
Division of Community Assistance  
Nashville, Tennessee

2:05 p.m.

**Composting – Large Facility**

*John Evans*, Solid Waste Director  
Knox County  
Knoxville, Tennessee

*Carolyn Gallgher*, Recycling Coordinator  
Williamson County  
Franklin, Tennessee

**Environmental Law Session  
Rooms 11-12, Upper Level**

8:00 a.m.

**Developments in Brownfield Laws**

*Robert Lipscomb*, Senior Project Manager  
Barge Waggoner Sumner & Cannon, Inc.  
Nashville, Tennessee

*William L. Penny*, Esq., Partner  
Wyatt Tarrant & Combs  
Nashville, Tennessee

**Environmental Crimes**

**Moderator:** *Sam Wallace*

Assistant General Counsel  
Office of General Counsel  
Tennessee Department of  
Environment and Conservation  
Nashville, Tennessee

9:00 a.m.

**The Role of the Attorney General's  
Office in Criminal Environmental Cases**

*Lizabeth Hale*

Assistant Attorney General  
Law Enforcement and Special  
Prosecutions Division  
Office of the Attorney General  
State of Tennessee  
Nashville, Tennessee

**TVA Clean Marina Initiative –  
Lessons Learned**

A presentation of information on obstacles that  
have been overcome and methods of applica-  
tions used in criminal investigation of environ-  
mental issues.

*Art Schettini*, Senior Investigator  
TVA Criminal Investigation –  
Environmental Issues  
Tennessee Valley Authority  
Knoxville, Tennessee

*Robert H. Gibson, III*, Special Agent  
Environmental Task Force  
FBI  
Knoxville, Tennessee



Thursday, April 29, 2004

**Environmental Law Session  
Rooms 11-12, Upper Level**

**Moderator:** *Rachel Jakubovitz*

Assistant General Counsel

Office of General Counsel

Tennessee Department of Environment  
and Conservation

Nashville, Tennessee

10:00 a.m.

**Breaking the Mold: Minimizing Risk  
in an Era of Mold Litigation**

Some enormous compensatory and punitive damage awards in cases involving the presence of mold have led insurance companies to develop mold exclusions in their policies and have left employers and building owners exposed to actual or threatened litigation. Learn how to minimize or avoid the risk of mold claims and legal considerations in proactively identifying and remediating mold.

*Jessie Zeigler*, Partner

Bass, Berry & Sims PLC

Nashville, Tennessee

11:00 Lunch – Hall B, Lower Level

**Environmental Law Session  
Rooms 11-12, Upper Level**

**Moderator:** *James C. Wright*, Chair

Environmental Section, TBA

Environmental Law

Butler Vines and Babb PLLC

Knoxville, Tennessee

12:30 p.m.

**Environmental Ethics and  
Environmental Professionalism  
Panel**

*Max Fleischer*, Assistant General  
Counsel

Office of General Counsel

Tennessee Department of Environment  
and Conservation

Nashville, Tennessee

*Paul Finger Lynes*, P.E., CHMM

Vice President

Environmental Law

Barge, Waggoner, Sumner & Cannon, Inc.

Nashville, Tennessee

*Quintin Macdonald*

*Greer C. Tidwell*, P.E., President

EE, Inc.

Nashville, Tennessee

*Jerry B. Warren*, P.E., CHMM, Principal

Warren and Associates

Lebanon, Tennessee

1:40 p.m.

**Sarbanes Oxley and Its Effects on  
Environmental Compliance**

*Darlene T. Marsh*, Esq.

Environmental Law

Stokes Bartholomew Evans & Petree, P.A.

Nashville, Tennessee

*Robert Lipscomb*

2:50 p.m.

**Ethics Update**

*Paul Finger Lynes*

*Carl A. Pierce*

Associate Professor of Law

College of Law

The University of Tennessee

Friday, April 30, 2004

**Solid/Hazardous Waste Session**  
**Hall A, Lower Level**

**Moderator:** *Mike Apple*

8:00 a.m.

**Wood Waste in Tennessee –  
Generators and Users**

*Forrest Bogart*, Consultant  
UT – Center for Industrial Services  
Nashville, Tennessee

**From Sludge Landfilling to Beneficial  
Biosolids Reuse:  
An Overview of the Nashville Long Range  
Biosolids Management Plan**

*Gary Hyatt*, Municipal Practice Leader  
Brown and Caldwell  
Nashville, Tennessee

**Methamphetamine Awareness**

*David H. Shelton*, Special Agent  
Chattanooga Resident Office  
U.S. Drug Enforcement Administration  
Chattanooga, Tennessee

**Legislative Update**

*Mike Apple*

**Environmental Law Session**  
**Holiday Inn**

**Moderator:** *E. Joseph Sanders*

General Counsel  
Office of General Counsel  
Tennessee Department of Environment  
and Conservation  
Nashville, Tennessee

8:00 a.m.

**Commissioners Address: What Lawyers  
Dealing with TDEC Should Know**

*Betsy Child*, Commissioner  
Tennessee Department of Environment  
and Conservation  
Nashville, Tennessee

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**Moderator:** *Steven R. Stout*

Assistant General Counsel  
Office of General Counsel  
Tennessee Department of Environment  
and Conservation  
Nashville, Tennessee

9:30 a.m.

**Environmental Science for Attorneys**

*Bry Roberson*, CIH, CHMM, Associate  
EnSafe Inc.  
Nashville, Tennessee

# EXHIBITORS

## Conference Exhibitors

Take the time to visit our exhibitors. They have interesting and innovative information to share. Don't forget to ask them to stamp your television giveaway form while you are isiting.

**5R Processors Ltd.** Is a nationwide electronics recycling company that provides asset recovery and disposition services to the computer and electronics industries, businesses, municipalities and consumers. (513)

**Accutest Laboratories** (113)

**Al-Jon Inc.** – Al-jon's Advantage Series of Land-fill compactors feature an electronically-controlled hydrostatic drive and range in weight from 85,000 to over 126,000 lbs. Our 2004 models include many new features and benefits and the choice of reliable CAT or John Deere engines. (306)

**AMEC Earth & Environmental, Inc.** is a leading full-service earth and environmental consulting firm, providing multi-disciplined solutions covering all aspects of environmental services, geotechnical engineering, material testing and engineering and waste water resource services. (418)

**AMCON Environmental, Inc.** is a manufacturer of high strength woven alternative daily covers for landfills and quarry operations. AMCOM also installs a complete line of geosynthetics in primary and secondary containment systems. The company is also a distributor of geotextile, geomembrane and a complete line of erosion control products (403)

**Applied Earth Sciences, Inc.** is a result-oriented, environmental services company that provides its Tennessee customers with turnkey solution to environmental problems. (101)

**Aquaterra Engineering, LLC**. (420)

**ARCADIS** is an environmental engineering and consulting firm, specializing in implementation of innovative remediation and design services based on personal service, open communication and a commitment to quality. (402)

**Armor Environmental Services, Inc.** – is a full service waste management company. We are a special waste processing facility. We process special industrial waste for both landfills and Waste to Energy. We provide transportation using our own transportation fleet. We also, transport and dispose of hazardous waste. (214)

**Arnold Engineering Development Center** (405)

**Barge, Waggoner, Sumner & Cannon, Inc.** (205)

**BFI Waste Systems** - Caring For Our Environment by providing Safe Transportation and Disposal of Our Waste. (202)

**Brown and Caldwell** provides engineering and consulting services for solid and hazardous waste projects from a network of 40 offices Andover 1,000 professionals across the U.S. Our clients include both private companies and public agencies, and our goal is to deliver value and exceed expectations. (401)

**Chemical Analytics, Inc.** provides full turn-key operation for the disposition of laboratory chemicals including cylinders and unknown chemicals. (104)

**Civil & Environmental Consultants, Inc.** provides consulting services including potential landfill site evaluation, hydrogeological assessment and remediation, design permitting, construction specifications and drawings, construction monitoring and quality assurance, operation, closure and post-closure monitoring. In addition, CEC provides environmental and Life Science consulting services including brownfield development, environmental assessments, wetlands delineation, stream remediation and stream bank stabilization. (219)

**Clean Harbors, Inc.** is a leading provider of environmental and hazardous waste management services. We provides essential services to more than 30,000 customers, comprising a majority of the Fortune 500, thousands of smaller private entities and numerous governmental agencies. Clean Harbors has more than 100 locations strategically positioned throughout North America in 36 U.S. states, six Canadian provinces, Mexico and Puerto Rico. (114)

**CMI Equipment Sales, Inc.** – providing equipment, parts and service to waste industry management for two decades. (303)

**Colloid Environmental Technologies (CETCO) – Lining Technologies Group** – A full-services, global, environmental company, CETCO Lining Technologies Group is a leader in the field of Geosynthetic Clay Liners (GCLs) and also offers sealants, geotextiles, geonets, and geocomposite drainage blankets. Bentomat® and Claymax® GCLs are sodium bentonite and geotextile composites engineered for use in a variety of lining applications including the waste containment and closure of landfills. (107)

**Consolidated Technologies, Inc.** – Consulting engineers in the water and earth sciences. (313)

**Continental Aerial Surveys, Inc.** – CAS was founded in 1968 and has provided a full range of services to private, industrial, municipal and government clients. The firm employees are some of the most experienced photogrammetrists and technicians in the industry, and has performed projects from Alaska to South America. (314)

**Drillers Service, Inc.** is a manufacturer and distributor of a very broad product line for the Environmental Soils and Groundwater Market. Due to our sales volume, we are master distributors of many of the most popular products on the market. (320)

**E. Roberts Ally & Associates** is a full service environmental, health & safety, and civil engineering firm. We offer a comprehensive range of engineering, design, consulting and field services on Air, Water/Wastewater and Waste Disposal and remediation issues as well as Safety and Industrial hygiene concerns. (210)

**Earth Tech** (209)

**ECOFLO** – Environmental services · Industrial & hazardous waste management including recycling and disposal · Household hazardous waste Sorbent & Glove Reconditioning programs. (207)

**EMCON/OWT** (517)

**Environmental & Civil Engineering Services** is a full-service engineering firm offering design, permitting, geotechnical and testing services to the solid waste industry. (419)

**Environmental Science Corporation** – Analytical laboratory testing of air, mold, soil, groundwater, waste water and drinking water. (413)

**EPA Region 4** (506)

**EQ-The Environmental Quality Company** is a comprehensive environmental management company specializing in providing hazardous and non-hazardous waste treatment, chemical recycling, fuel blending, and waste water treatment. EQ offers a full line of industrial services including, emergency response, remediation, industrial services, lab packing, underground video inspection, and transportation. (220)

**First Response** – Environmental, demolition and emergency services. (612)

**Gatlinburg Crafts Store** (602/604)

**Geologic Systems** is a Geologic GPS Landfill Computer control system and will monitor compacted density and calculate volume; monitor airspace used and remaining; monitor and control layers and elevation; and produce reports of daily operation. (501)

**Geo-Synthetics, Inc.** is a distributor and installer of geosynthetic products; geo-membranes, erosion control products, geotextiles and paving fabrics. (208)

**GreenMan Technologies** collects and processes scrap tires across Tennessee. Large or small we grind them all. (302)

**Gresham, Smith and Partners** ranked among the nation's top engineering firms. Gresham, Smith & Partners is an organization of close to 600 professionals working from offices in 14 cities. (109)

**GSE Lining Technology, Inc.** is a leading manufacturer and marketer of geosynthetic lining solutions, products and installation services around the world. (111)

**H.H. Hooper Machinery Co. Inc.** provides service, parts, supplies and equipment, including: knuckleboom trash/brush loaders, refuse trucks, street sweepers, leaf vacuums, trash compactors, balers, shredders and more. (503)

**HEPACO, Inc** (502)

**Heritage Environmental Services LLC** has provided environmental services to industry nationwide. These offerings include waste disposal and recycling at our seven permitted facilities, field services, laboratory testing, site remediation, industrial maintenance, emergency response, research and development, parts washers, and transportation. Visit Heritage at [www.hertiage-enviro.com](http://www.hertiage-enviro.com). (102)

**Landfill Service Corporation** offers “products that work plus responsible, friendly service.” Some of our products include: THE POSI-SHELL® Cover System, Solar Spark® Vent Flaires, and the Hyex™ Landfill Conduits. (110)

**Mack of Nashville** – Sales, Parts & Service for all Mack Products. (204)

**Microbac Laboratories, Inc.** - Some of our analytical laboratory services include: Air quality analysis, research and testing, Drug testing, Environmental testing, Food testing & trans fat analysis Fuel testing Manufactured products testing and analysis Nutritional/vitamins testing Ores and minerals assays Pesticides Pharmaceuticals Specialized contract laboratory services include: drugs of abuse testing and analysis, PCR research and analysis, GMO testing, nutritional labeling testing and research, trans fat analysis and trans fat testing, stability testing and analysis, and raw materials testing and analysis. (404)

**Mountain Environmental Services, Inc.** is a full service environmental consulting firm located in Waynesville, NC. Our services include site assessments, remediation, waste management, regulatory consulting and health and safety training. (519)

**Municipal Equipment Inc.** (414)

**Natural Resources Recovery of TN** manages Knox Counties green waste, composting and the tire recycling facilities. We provide organic waste stream recycling for area industry. (307)

**NCM Odor Control** is a full service manufacturer of neutralizers, customized dispensing systems and technical assistance for your odor and environmental needs. (106)

**NES Rentals** From Stainless Steel Tanker Trailers, Frac Tanks, and Poly Tanks, to Liquid Tight Vacuum Boxes and Roll Tarp Boxes, NES Rentals has what you need, when you need it for all of your temporary liquid and solid storage needs. (108)

**OneSource Industrial L.L.C** (613)

**Perma Fix Environmental Services** (115)

**Plastic Fusion Fabricators, Inc.** offers to supply and install HDPE piping, Geosynthetics, geomembranes, liners and floating covers. (317/319)

**Pollution Control Industries** (520)

**Poly-Flex, Inc.** – an international manufacturer of polyethylene geomembranes and drainage netting and composites with over one billion square foot of geomembranes in environmental and civil applications. For more information, please contact George Yazdani, P.E. at (877) 337-7314, or e-mail georgey@poly-flex.com. (203)

**Progressive Recovery, Inc. (PRI)** invites you to stop by to discuss your liquid solvent waste problems with the leading designer and manufacturer of waste solvent recovery and separation systems in North America. PRI systems can reduce operating costs through reclamation of valuable resources and reduction of waste disposal volume. (206)

**Regenesis** develops, manufactures and markets innovative technologies to clean up and restore our natural environment while conserving our customers' time and money. (410)

**RMCT** – Recycling Marketing Cooperative for Tennessee is a nonprofit organization. We market recycled materials for cities, counties and businesses within the state of Tennessee. (105)

**S & ME** (509)

**Scruggs Equipment Company** (305)

**SEI Environmental, Inc.** (301)

**Seventh Transport, Inc.** is a leading provider of transportation and loading services of MSW. We provide tractors, drivers, transfer trailers, and loaders to all major waste companies and municipalities across Tennessee. We take the worry out of moving your MSW from your transfer station to your landfill. (218)

**Solvent Solutions** (309)

**Southeast Recycling Tech., Inc.** (407)

**Strata Environmental**

**SWANA** (Solid Waste Association of North America) is the oldest, largest & most well respected professional organization in the field. We are the Tennessee Volunteer Chapter of SWANA. (406)

**TDEC, Division of Community Assistance (DCA)** provides financial and technical assistance to counties, cities, utility districts, business, industry, schools and the general public. (617)

**TDEC, Division of Superfund** (615)

**TDEC, Division of Underground Storage Tanks (UST)** is responsible for preventing future petroleum underground storage tank releases and remediating existing petroleum UST contamination. The division manages the Tennessee Petroleum UST Fund, which provides eligible tank owners and operators reimbursement of UST releases and satisfies their federal financial responsibility requirements. (616)

**TDEC, Lead Hazard Program** - TDEC, Division of Solid Waste Management received EPA authorization January 17, 2001 to administer the Lead Hazard Program in Tennessee. The State's lead-based paint program is as stringent as the federal requirements outlined in the Toxic Substances Control Act (TSCA) Title IV, Section 402. The purpose of this program is to ensure that individuals are properly trained and certified to conduct LBP activities at "target housing" and/or "child-occupied facilities". (510)

**Tennessee Recycling Coalition** is a non-profit partnering organization of individuals, businesses, civic groups, and government agencies that works at creating solutions to waste problems in our state. TRC advocates recycling and promotes conservation, source reduction, and reuse. To close the loop, TRC also supports efforts to develop markets for products made from recycled materials. (508)

**Terracon** (618)

**TestAmerica** (514)

**TMP Inc.** (103)

**Tri-State Analytical Laboratory** - Commercial laboratory services for groundwater monitoring, solid waste analysis, TCLP analysis, waste water and drinking water. (408)

**Tri-State Testing Services, Inc.** performs geotechnical and environmental drilling services, and geophysical laboratory services. (619)

**TriAD Environmental Consultants, Inc.**, is an environmental consulting and engineering firm specializing in solid and hazardous waste management permitting and compliance, contaminated site investigation and remediation, and storm water management and permitting. (308)

**Tysinger, Hampton & Partners, Inc.** is a consulting, design and project management firm that provides planning, permitting, surveying, environmental design and construction oversight services to its clients. (304)

**Univar USA Inc.** Univar's Chem Care Program is a comprehensive waste disposal service that handles both hazardous and non-hazardous waste products from your facilities. Consolidated at Univar branches, then put onto selected Chem Care carriers, and finally safely arrives at licensed treatment, storage and disposal facilities (TSDF's). (507)

**U.S. EPA Region -Local Government Reimbursement** (606)

**UT Center for Industrial Services (CIS)** has expertise in areas of facility operations and management, e.g., lean manufacturing; environmental compliance and waste reduction; hazardous waste operations; workplace safety; worker training and teambuilding; and selling to the government. (614)

**WasteAway** (316)

**Waste Connections of Tennessee, Inc.** is a fully integrated solid waste services company. We service commercial, industrial and residential customers, operating both Class I and Class III/IV landfills and transfer stations. (100)

**Waste Industries USA** - A leader in cost-effective, professional and environmentally sound solid waste and recycling solutions, while providing a full range of standard and custom waste services to government, municipal and commercial, industrial and residential customers. (213)

**Waste Management** - Solid Waste Collection, Transportation, Subtitle D Landfill and Hazardous Waste Disposal. (310/409)

**WasteQuip Holt** -Solid waste handling equipment, convenience center equipment and recycling equipment. (201)

# Make plans to attend Next year's conference

## May 18 - 20, 2005

The Tennessee Department of Environment and Conservation is committed to principles of equal opportunity, equal access and affirmative action. Contact the EEO/AA Coordinator at 1-888-867-7455 or the ADA Coordinator at 1-866-253-5827 for further information. Hearing impaired callers may use the Tennessee Relay Service (1-800-848-0298).

To reach your local  
ENVIRONMENTAL ASSISTANCE  
CENTER

Call 1-888-891-8332 OR  
1-888-891-TDEC



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